



Data logger

Temperature and humidity

testo 175 H1

High level of data security

Large, easily legible display

Measurement data memory for 1 million measurement values

Up to 3 years' battery life

Data transfer via USB cable or SD card

Permanently installed external capacitive humidity sensor



With its long-term stable humidity sensor, the testo 175 H1 is the professional data logger for the monitoring of temperature and relative humidity in work and storage rooms. The external humidity probe (stub) stands out thanks to faster reaction times in comparison to probes installed inside the housing. Energy savings are an important topic for buildings. The free ComSoft Basic software allows fast

programming of the data logger as well as easy data analysis. The testo 175 H1 continuously records temperature and humidity values and, in addition to temperature and humidity, also shows the dewpoint in the display if required. The indoor climate is thus monitored, emphasizing the need for targeted ventilation and air exchange.

Technical data / Accessories

testo 175 H1

testo 175 H1, 2-channel temperature and humidity data logger with external humidity sensor (NTC/capacitive humidity sensor), incl. wall holder, lock, batteries and calibration protocol

Part no. 0572 1754



General technical data

| | |
|------------------|--------------------------------|
| Channels | 2 x internal (stump) |
| Battery type | 3 x AlMn Type AAA or Energizer |
| Battery life | 3 years at 15 min. meas. rate |
| Oper. temp. | -20 to +55 °C |
| Storage temp. | -20 to +55 °C |
| Dimensions | 149 x 53 x 27 mm |
| Protection class | IP54 |
| Measuring rate | 10 s - 24 h |
| Memory | 1 mio. measurement values |

Sensor types

| | NTC | Calc. parameter td | Testo humid. sensor, cap. |
|-------------------|-------------------------|-----------------------------|--------------------------------|
| Meas. range | -20 to +55 °C | -40 to +50 °C _{td} | 0 to 100 %RH* |
| Accuracy ±1 digit | ±0.4 °C (-20 to +55 °C) | +0.03 %RH/K | ±2 %RH (2 to 98 %RH) at +25 °C |
| Resolution | 0.1 °C | | 0.1 %RH |

* Not for condensing atmospheres. For continuous use in high humidity (>80 %RH at ≤30 °C for >12 h, >60 %RH at >30 °C for >12 h), please contact us via our website.

Accessories

Part no.

| | | |
|---|-----------|--|
| Wall holder (black) with lock for testo 175 | 0554 1702 | |
| Cable for connecting the data loggers testo 175 and testo 176 to the PC, Mini-USB to USB | 0449 0047 | |
| SD card - for collecting the measurement data from the data loggers testo 175 and testo 176; 2 GB; application range to -20 °C | 0554 8803 | |
| Battery for testo 175 Range of application to -10 °C, alkali manganese microcell AAA (please order 3 batteries per logger) | 0515 0009 | |
| Battery for testo 175 - Application range below -10 °C, Energizer L92 microcells AAA (please order 3 batteries per logger) | 0515 0042 | |
| ComSoft Basic, Basic software for programming and readout of Testo data loggers; graphic and tabular measurement value presentation as well as export function (if free download with registration not desired) | 0572 0580 | |
| ComSoft Professional, Pro software incl. data archiving | 0554 1704 | |
| ComSoft CFR 21 Part 11, Software for requirements according to CFR 21 Part 11 for Testo data loggers | 0554 1705 | |
| ISO calibration certificate temperature temperature probe; calibration points -18°C; 0°C; +40°C per channel/instrument | 0520 0153 | |
| DAkkS calibration certificate temperature Temp. data logger; cal. points -20°C; 0°C; +60°C; per channel/instrument | 0520 0261 | |
| ISO calibration certificate humidity calibration points 11.3 %RH and 75.3 %RH at +25 °C/+77 °F; per channel/instrument | 0520 0076 | |
| DAkkS calibration certificate humidity humidity probe; cal. points 11.3%RH and 75.3%RH at +25°C; per channel/instrument | 0520 0246 | |